

Claims

- 5 1. A fresh concrete, containing cement and aggregate, water and admixtures with superplasticizer C-3, hydrophobing agent and Lignopan B having the molecular weight of 10-50 kJ, characterized by antifoam as hydrophobing agent (139-282) and fixing salt and/or ammonium thiocyanate and/or sodium and/or sodium sulfate and sodium carbonate having the following ratio of components (parts by mass):

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superplasticizer C-3	0-40
the hydrophobing agent indicated	0.02-0.06
the Lignopan B indicated	10-20
fixing salt and/or ammonium thiocyanate and/or sodium and/or	
15 sodium sulfate	40-55
sodium carbonate	1-2,

having a content of the admixture of 0.6-1.5 parts by mass of the cement mass.

- 20 2. The fresh concrete as claimed in claim 1, characterized in that it contains the components indicated in the following ratio:

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cement	300-500 kg/m ³
aggregate	1590-2030 kg/m ³
water	105-200 kg/m ³

3. The fresh concrete as claimed in claim 1 or 2, characterized in that it contains coarse and/or fine aggregate.

- 30 4. The fresh concrete as claimed in claim 3, characterized by gravel and/or construction sand as coarse aggregate.

5. The fresh concrete as claimed in claim 3 or 4, characterized by coarse aggregate of particle size 5-20 or 5-40 mm.

- 35 6. The fresh concrete as claimed in any of claims 3 to 5, characterized by sand having the size of not more than 5 mm as fine aggregate.

7. The fresh concrete as claimed in any of claims 3 to 6, characterized by at least one component of the following group as fine aggregate: quartz sand, eruptive rock sand, metamorphic sand, expanded clay sand, iron slag sand.

8. The fresh concrete as claimed in any of claims 3 to 7, characterized by at least one component of the following group as coarse aggregate: eruptive rock gravel, metamorphic gravel, sedimentary rock gravel, iron slag gravel, crushed expanded clay and crushed expanded slag.

9. An admixture for fresh concrete comprising superplasticizer C-3 and hydrophobing agent Lignopan B having the molecular weight of 10-50 kJ, characterized by antifoam as hydrophobing agent (139-282) and fixing salt and/or ammonium thiocyanate and/or sodium and/or sodium sulfate and sodium carbonate having the following ratio of components (parts by mass):

superplasticizer	0-40
the hydrophobing agent indicated	0.02-0.06
the Lignopan B indicated	10-20
fixing salt and/or ammonium thiocyanate and/or sodium and/or	
sodium sulfate	40-55
sodium carbonate	1-2